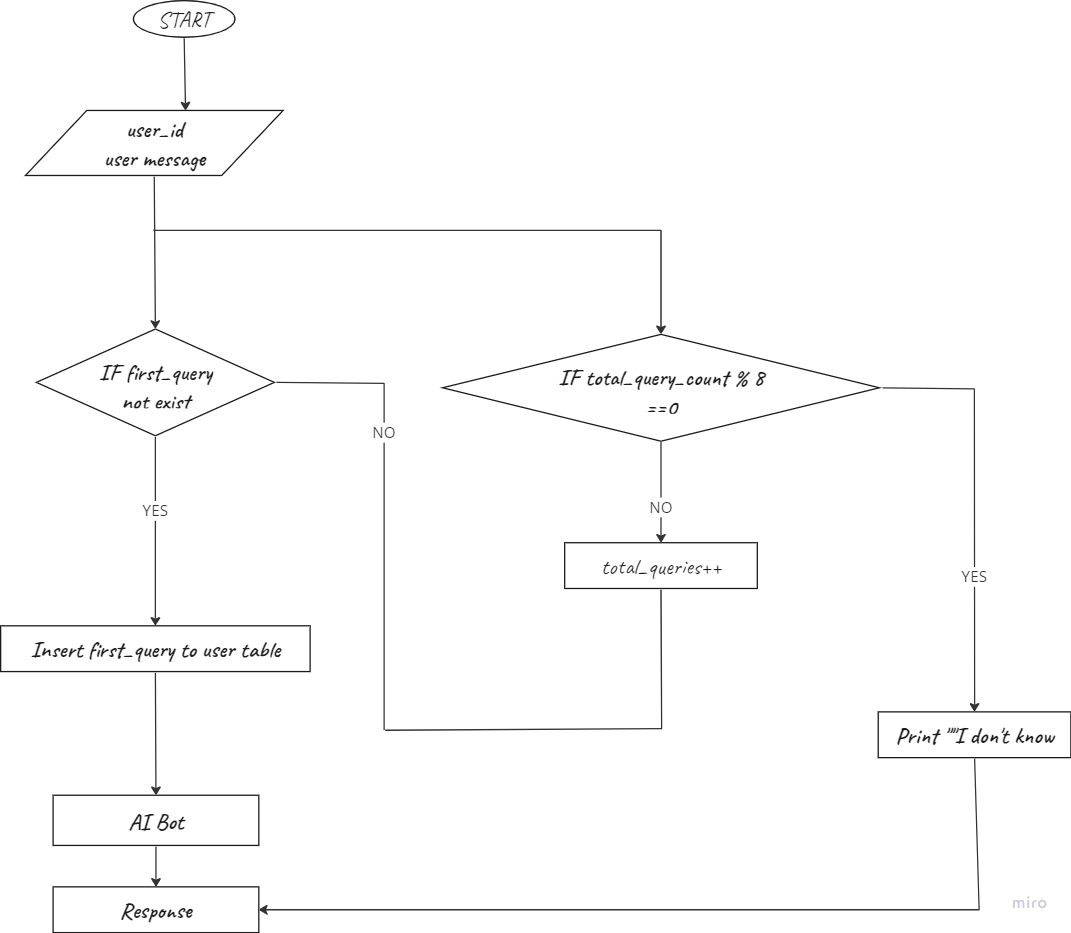
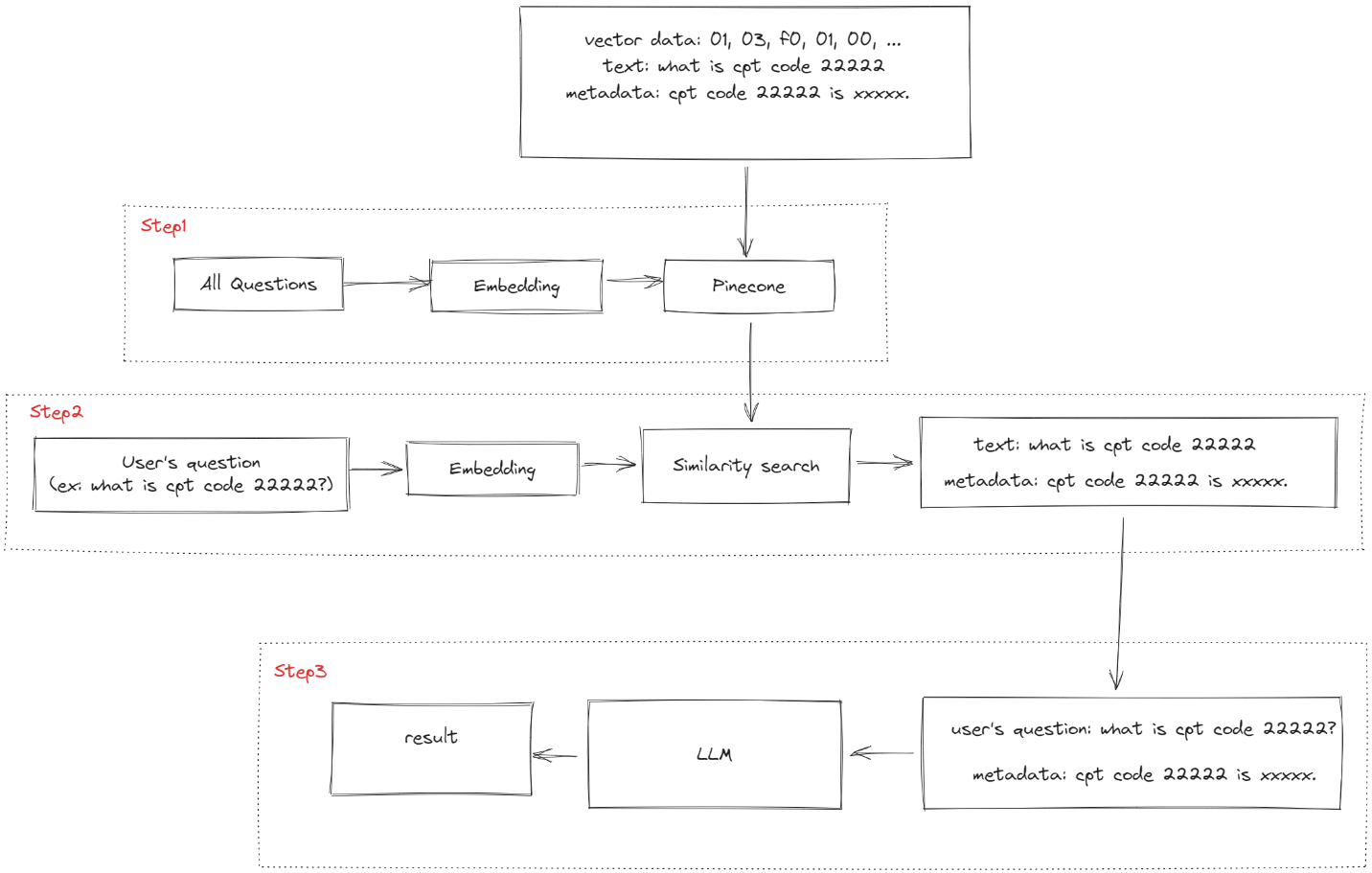
*∆ Architecture*- workflow



**

A chatbot consists of three steps:

Step 1

- All questions are embedded with openai and stored in Pinecone.

- Vector data has the following format.

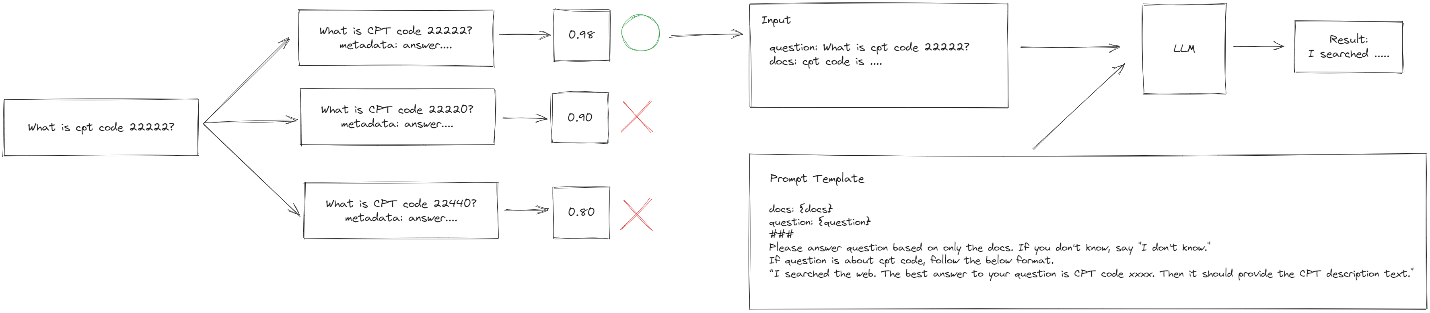
*value: 0.0253637824, 0.0104482248, 0.0157223437, …*

*text: what is cpt code 22222?*

*metadata: answer: The CPT code for osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; lumbar is 22214. That's my best pick.*

Step 2, Step 3

- The user's question is embedded as in step 1, and a similarity search is performed between the training data in the vector database and the question.  
- Create a prompt with the most similar data and question and input the prompt into LLM with prompt template.



*∆ How to run on local*  
  
- Frontend   
\* install node.js 18.0.0  
\* npm install  
\* npm start  
  
- Backend  
\* install python 3.10

\* pip install virtualenv

\* virtualenv venv

\*run venv/Scripts/activate (venv/bin/activate in Ubuntu)  
\*pip install -r requirements.txt  
\*python main.py